

Title (en)  
METHOD FOR PRODUCTION OF NEAT CARBON NANOTUBE ARTICLES PROCESSED FROM SUPER ACID SOLUTIONS

Title (de)  
HERSTELLUNGSVERFAHREN FÜR REIN KOHLENSTOFFNANORÖHRCHENGEGENSTÄNDE AUS HOCHACIDEN LÖSUNGEN

Title (fr)  
PROCÉDÉS DE FABRICATION DES ARTICLES À BASE DE NANOTUBES DE CARBONE PURE OBTENUS À PARTIR DE SOLUTIONS DE SUPER-ACIDE

Publication  
**EP 2209934 A2 20100728 (EN)**

Application  
**EP 08844994 A 20081029**

Priority  
• US 2008081574 W 20081029  
• US 98349507 P 20071029

Abstract (en)  
[origin: WO2009058855A2] Articles comprising neat, aligned carbon nanotubes and methods for production thereof are disclosed. The articles and methods comprise extrusion of a super acid solution of carbon nanotubes followed by removal of the super acid solvent. The articles may be processed by wet- jet wet spinning, dry-jet wet spinning, and coagulant co-flow extrusion techniques.

IPC 8 full level  
**D01F 11/12** (2006.01); **C01B 31/02** (2006.01); **D01F 9/12** (2006.01); **B29C 48/475** (2019.01); **B29C 48/48** (2019.01)

CPC (source: EP KR US)  
**B29C 48/0018** (2019.01 - KR); **B29C 48/05** (2019.01 - EP US); **B29C 48/11** (2019.01 - EP US); **B29C 48/919** (2019.01 - EP US); **B82B 3/00** (2013.01 - KR); **B82Y 30/00** (2013.01 - EP KR US); **B82Y 40/00** (2013.01 - EP KR US); **C01B 32/168** (2017.07 - EP KR US); **C01B 32/174** (2017.07 - EP KR US); **C01B 32/18** (2017.07 - KR); **D01D 5/06** (2013.01 - EP KR US); **D01F 1/02** (2013.01 - KR); **D01F 9/12** (2013.01 - EP US); **D01F 11/12** (2013.01 - EP US); **B29C 48/0018** (2019.01 - EP US); **B29C 48/475** (2019.01 - EP US); **B29C 48/48** (2019.01 - EP US); **B29K 2105/162** (2013.01 - EP US); **B29K 2105/167** (2013.01 - EP US); **C01B 2202/02** (2013.01 - EP US); **C01B 2202/04** (2013.01 - EP KR US); **C01B 2202/06** (2013.01 - EP US); **C01B 2202/28** (2013.01 - EP KR US); **C01B 2202/34** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2009058855A2

Cited by  
EP3860948A4; WO2020072066A1

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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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**US 2008081574 W 20081029**; CN 200880123297 A 20081029; EP 08844994 A 20081029; JP 2010532202 A 20081029; KR 20107012052 A 20081029; RU 2010122048 A 20081029; US 74052908 A 20081029